

FIG. 1

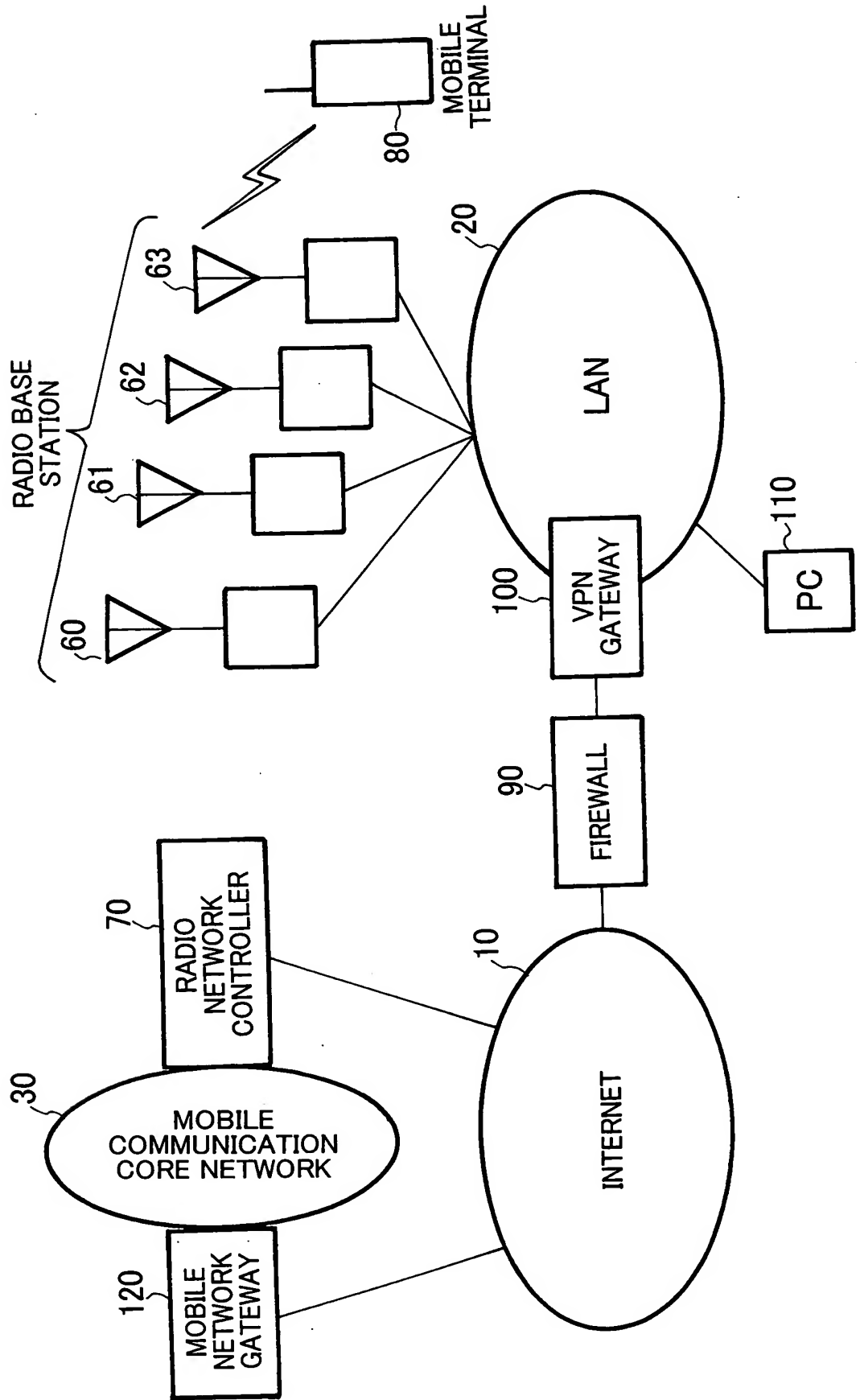


FIG.2

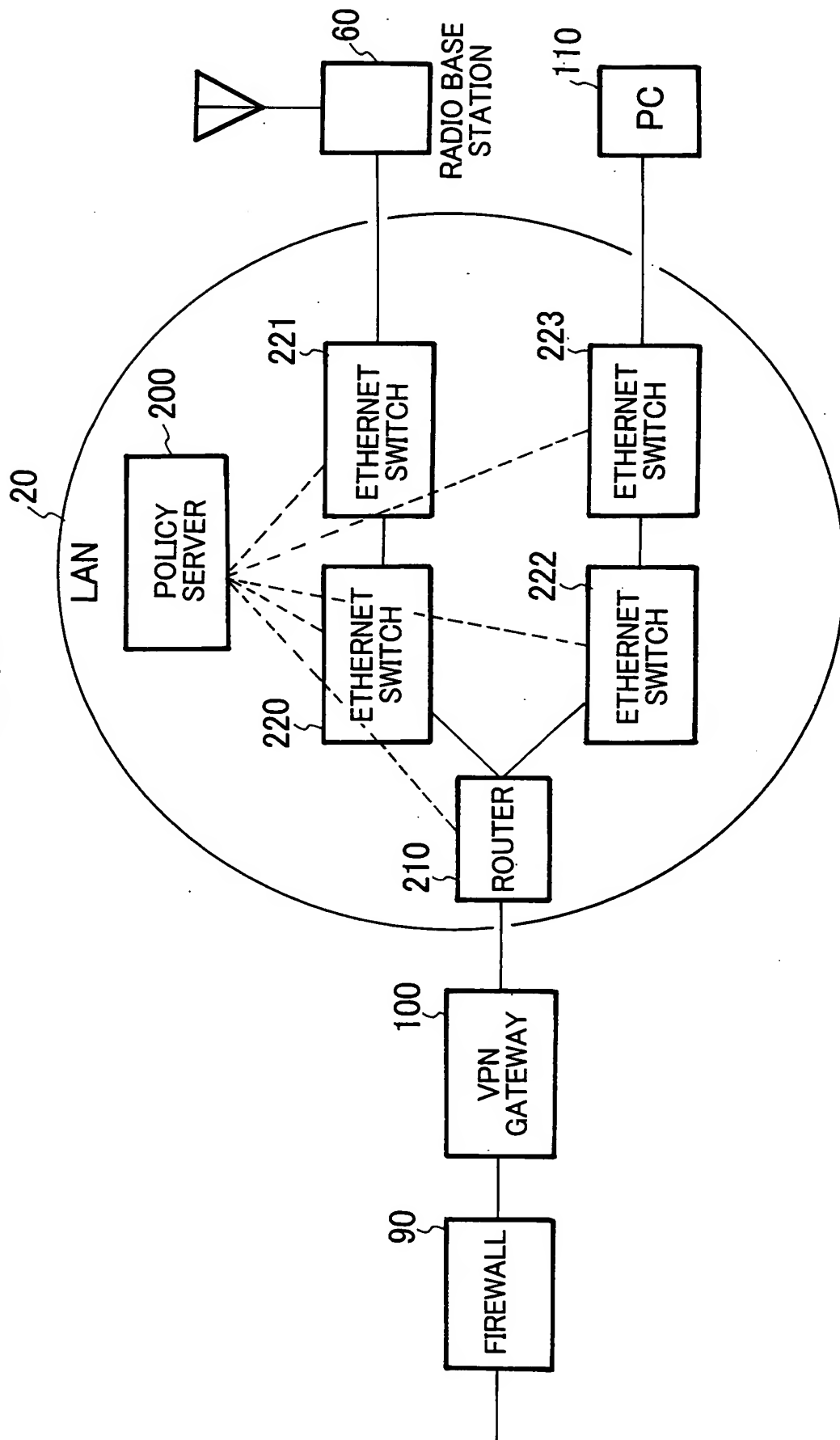


FIG.3

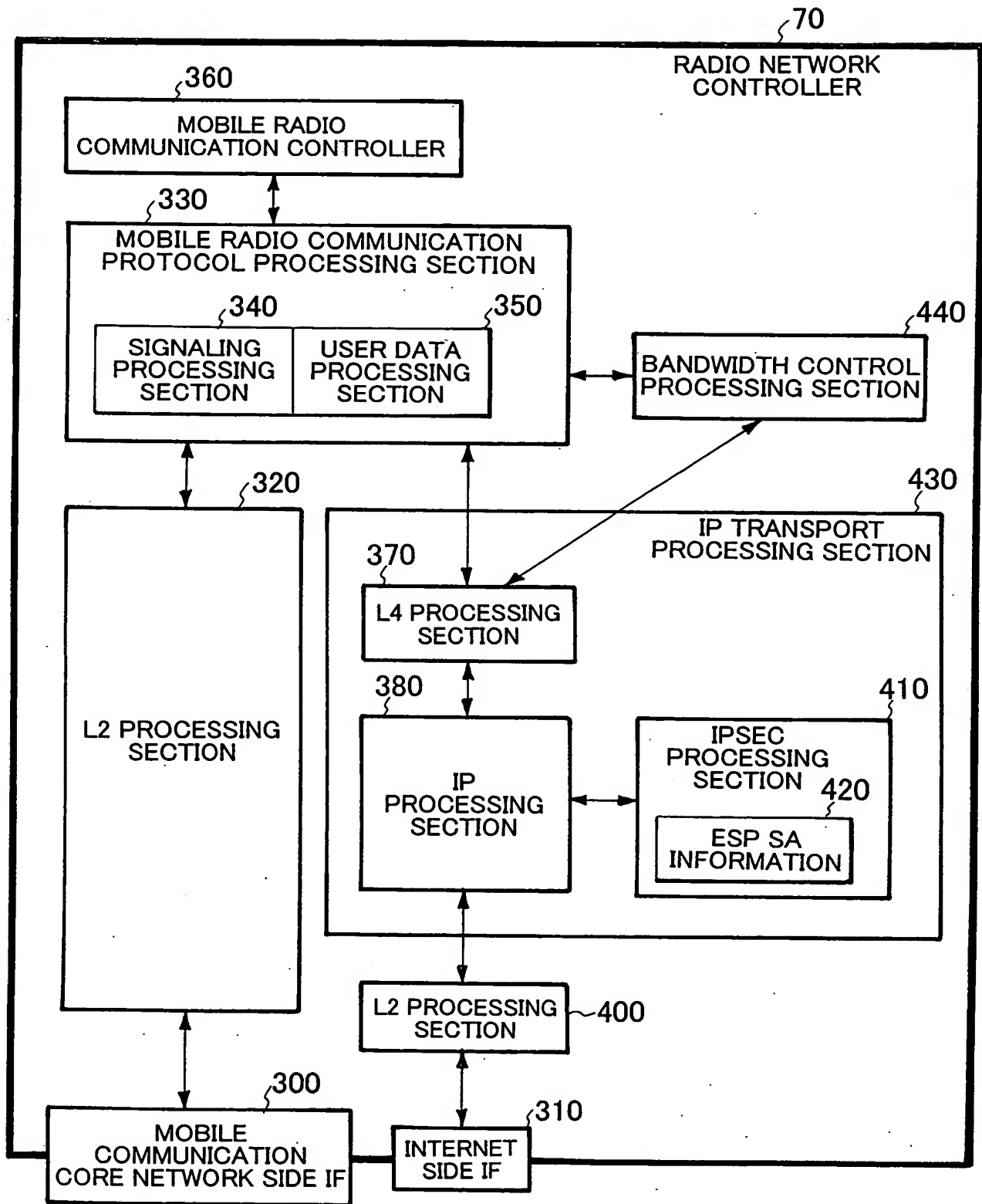


FIG.4

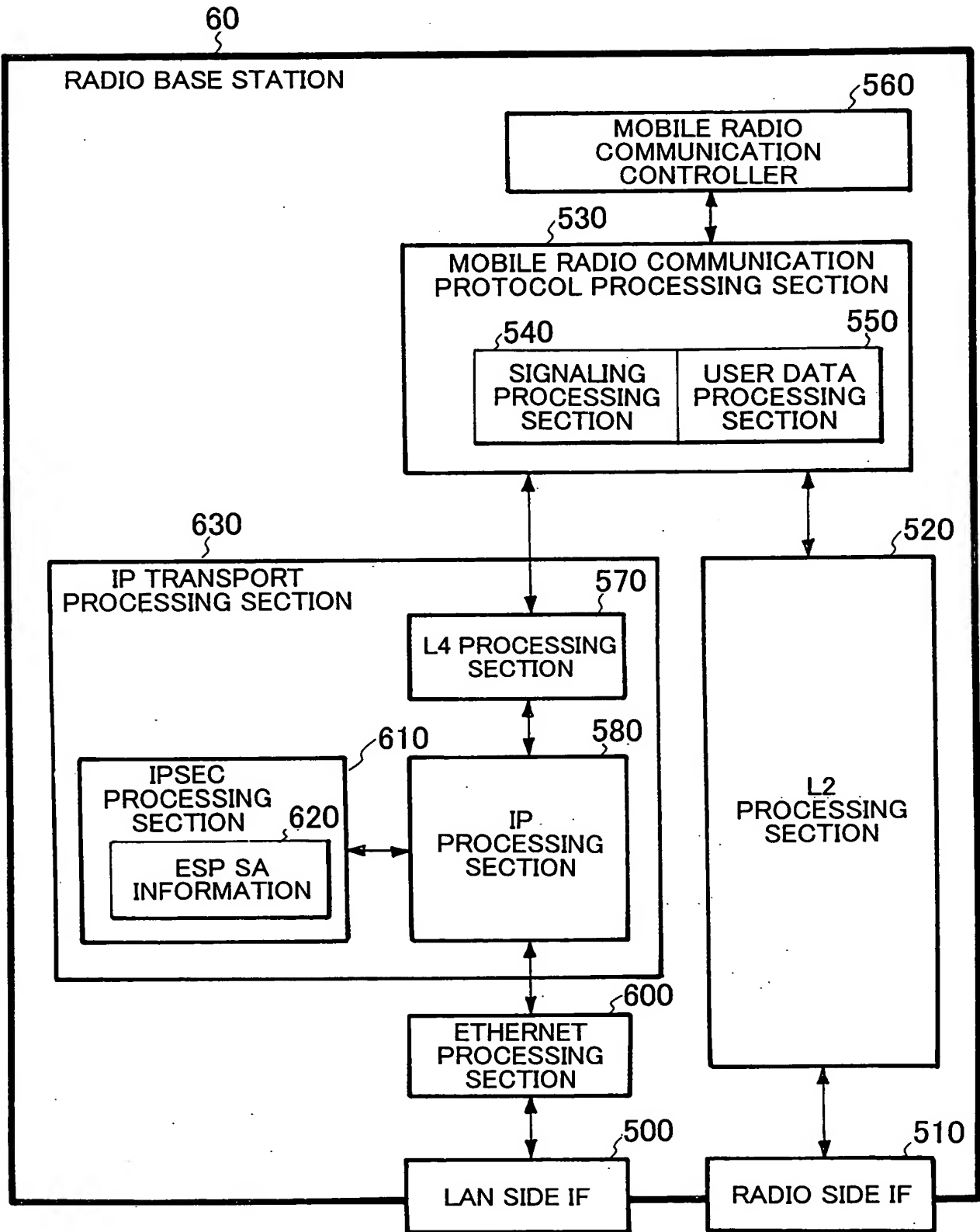


FIG.5

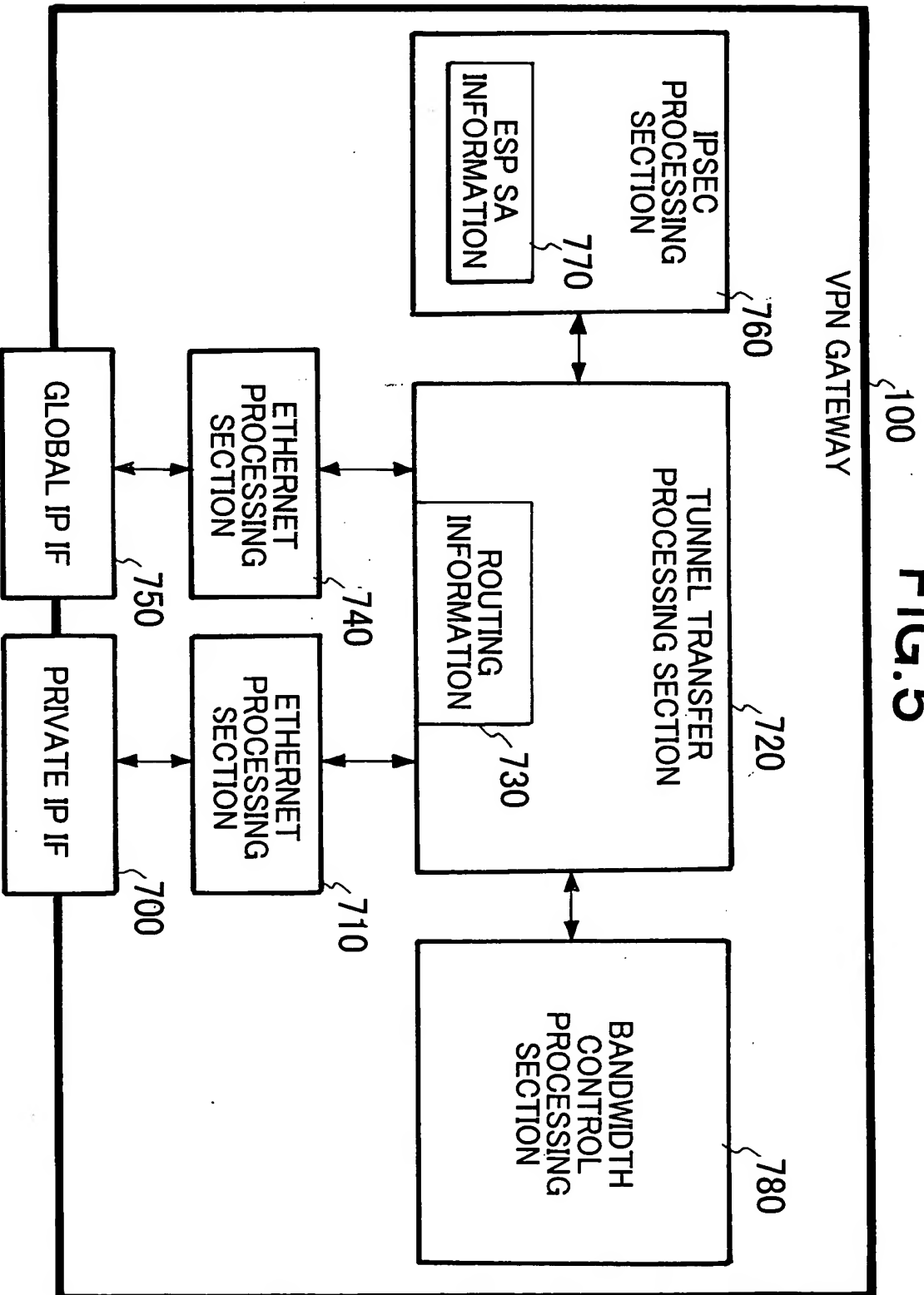


FIG. 6

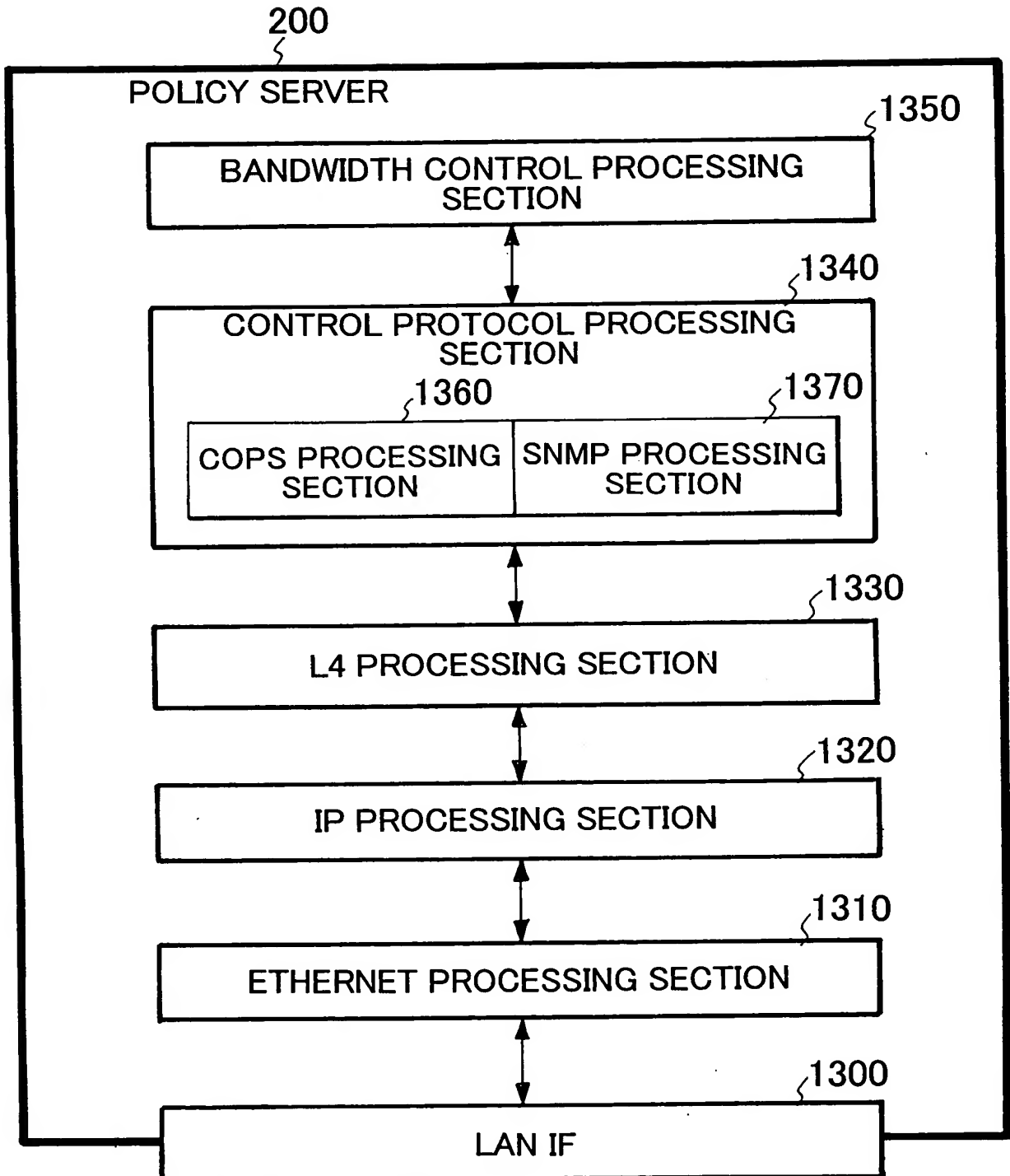


FIG. 7A

PACKET FORMAT EXCHANGED BETWEEN
RADIO BASE STATION AND VPN GATEWAY

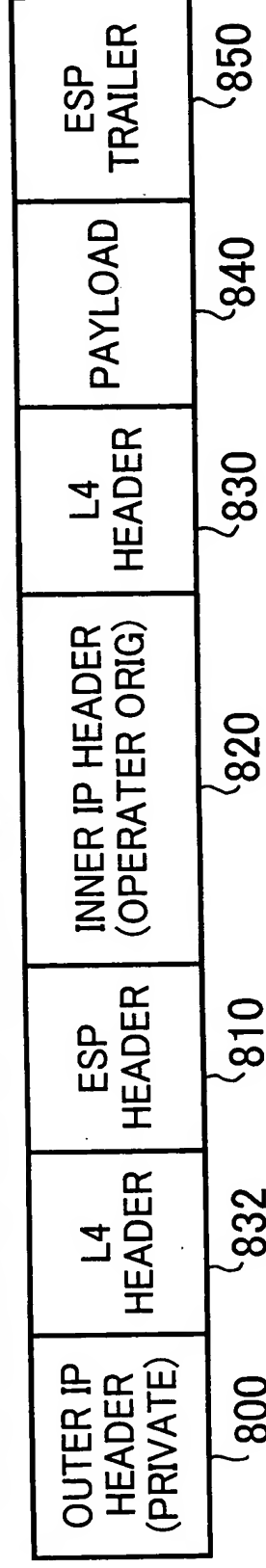


FIG. 7B

PACKET FORMAT EXCHANGED BETWEEN
VPN GATEWAY AND RADIO NETWORK CONTROLLER

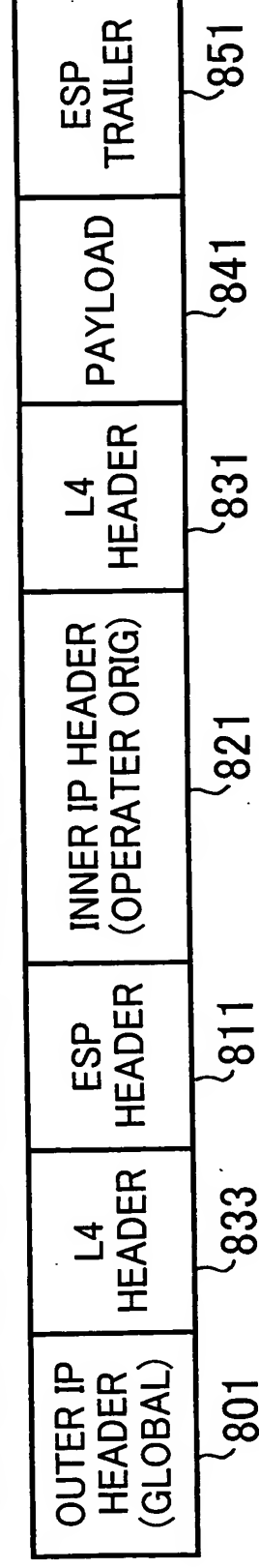


FIG.8

900: TRANSFER TABLE

RADIO NETWORK CONTROLLER		RADIO BASE STATION	
GLOBAL ADDRESS	OPERATOR'S UNIQUE ADDRESS	PRIVATE ADDRESS	OPERATOR'S UNIQUE ADDRESS
aaa.bbb.ccc.ddd	mmm.nnn.ooo.ppp	eee.fff.ggg.hhh	mmm.nnn.ooo.qqq
		eee.fff.ggg.kkk	mmm.nnn.ooo.rrr
		eee.fff.zzz.yyy	mmm.nnn.ooo.sss
		eee.fff.zzz.xxx	mmm.nnn.ooo.ttt

FIG.9

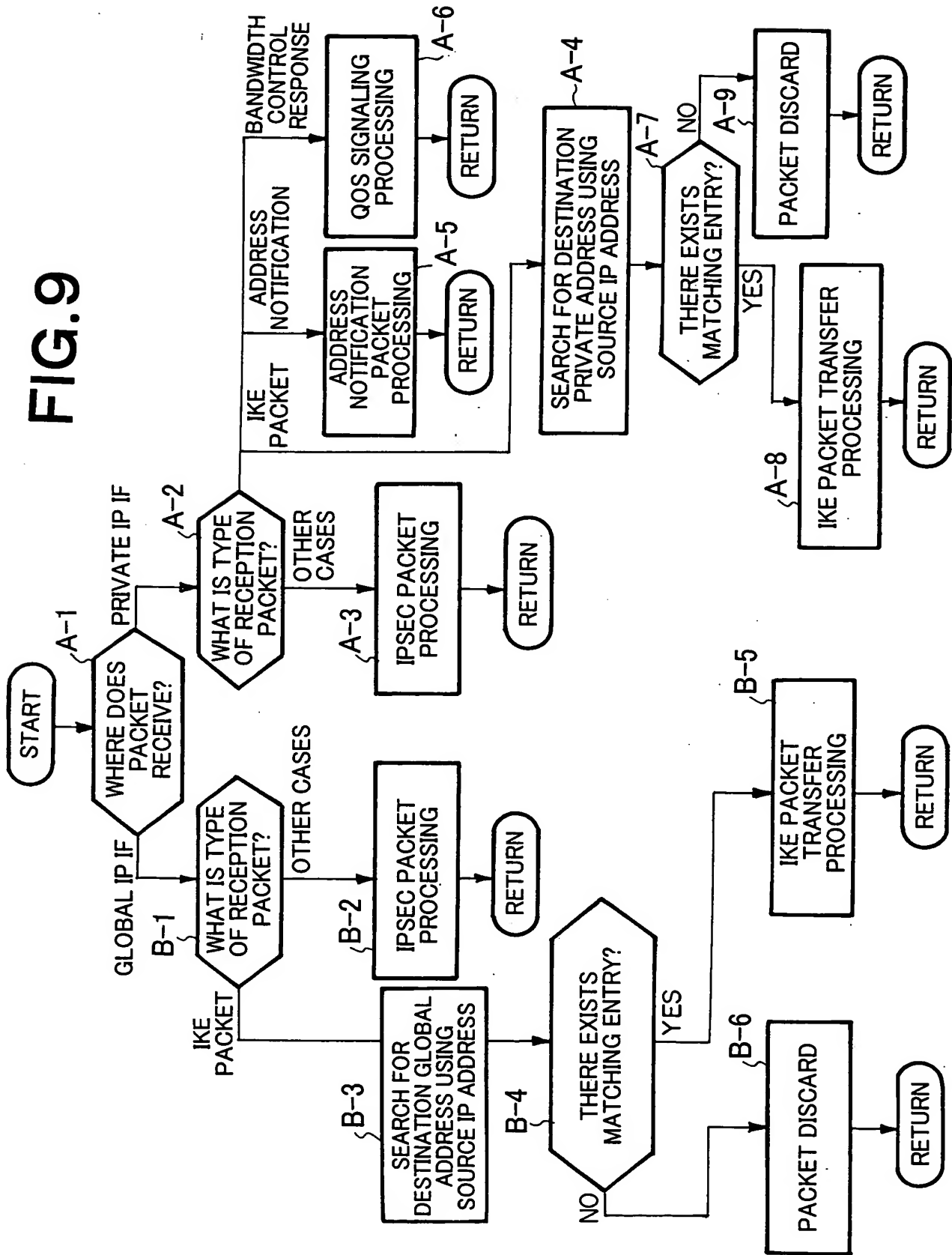


FIG.10

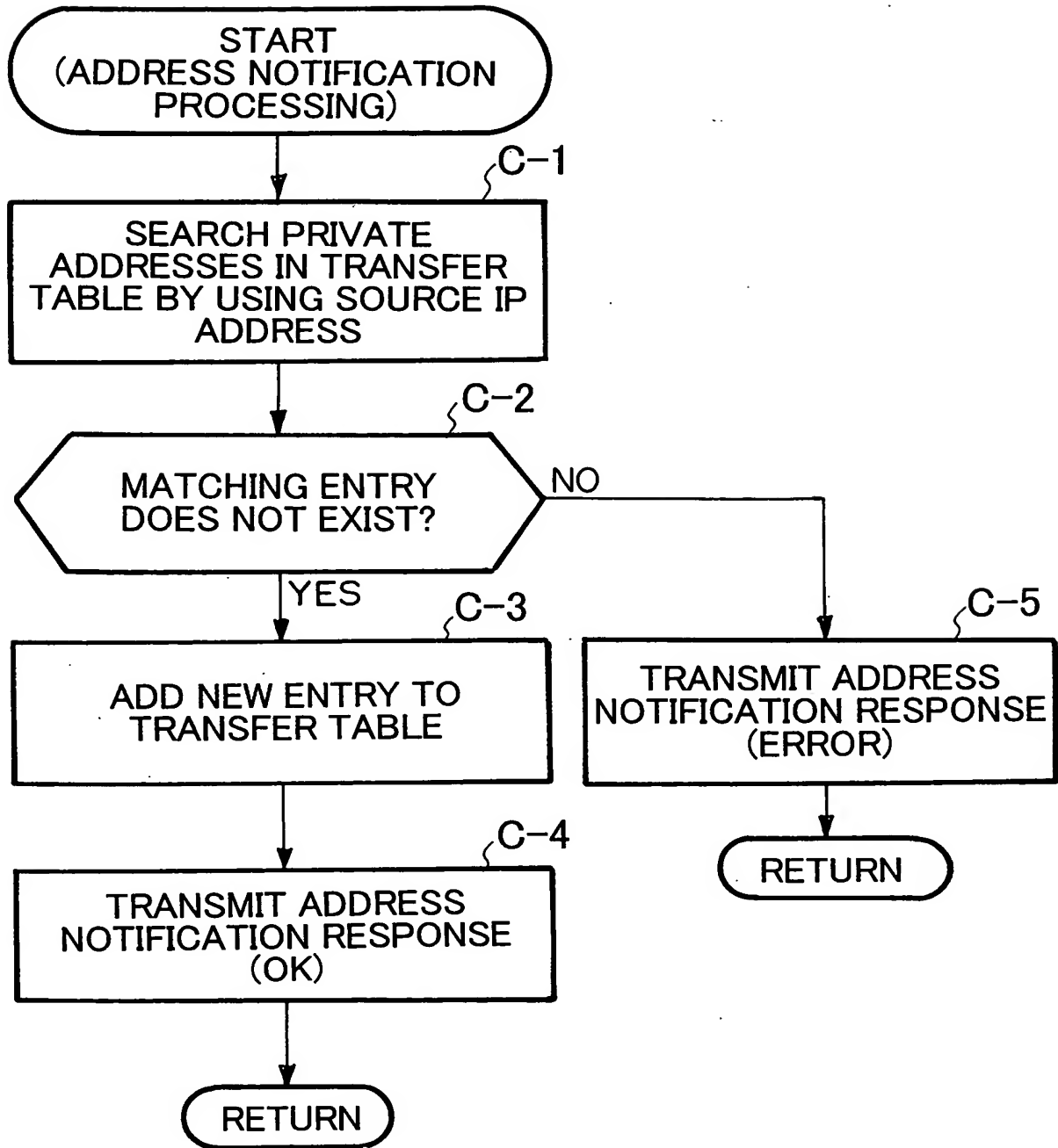


FIG.11

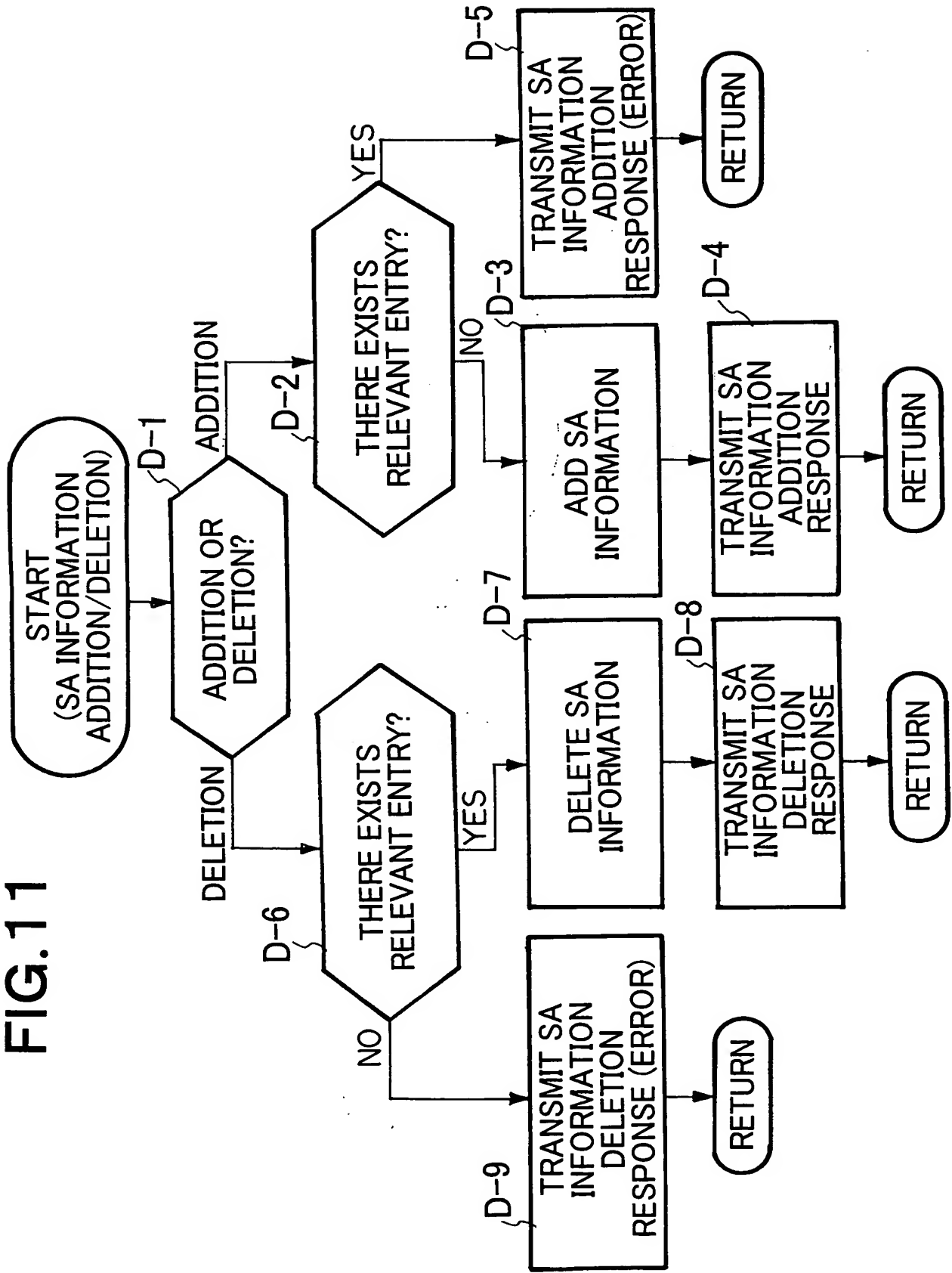


FIG.12

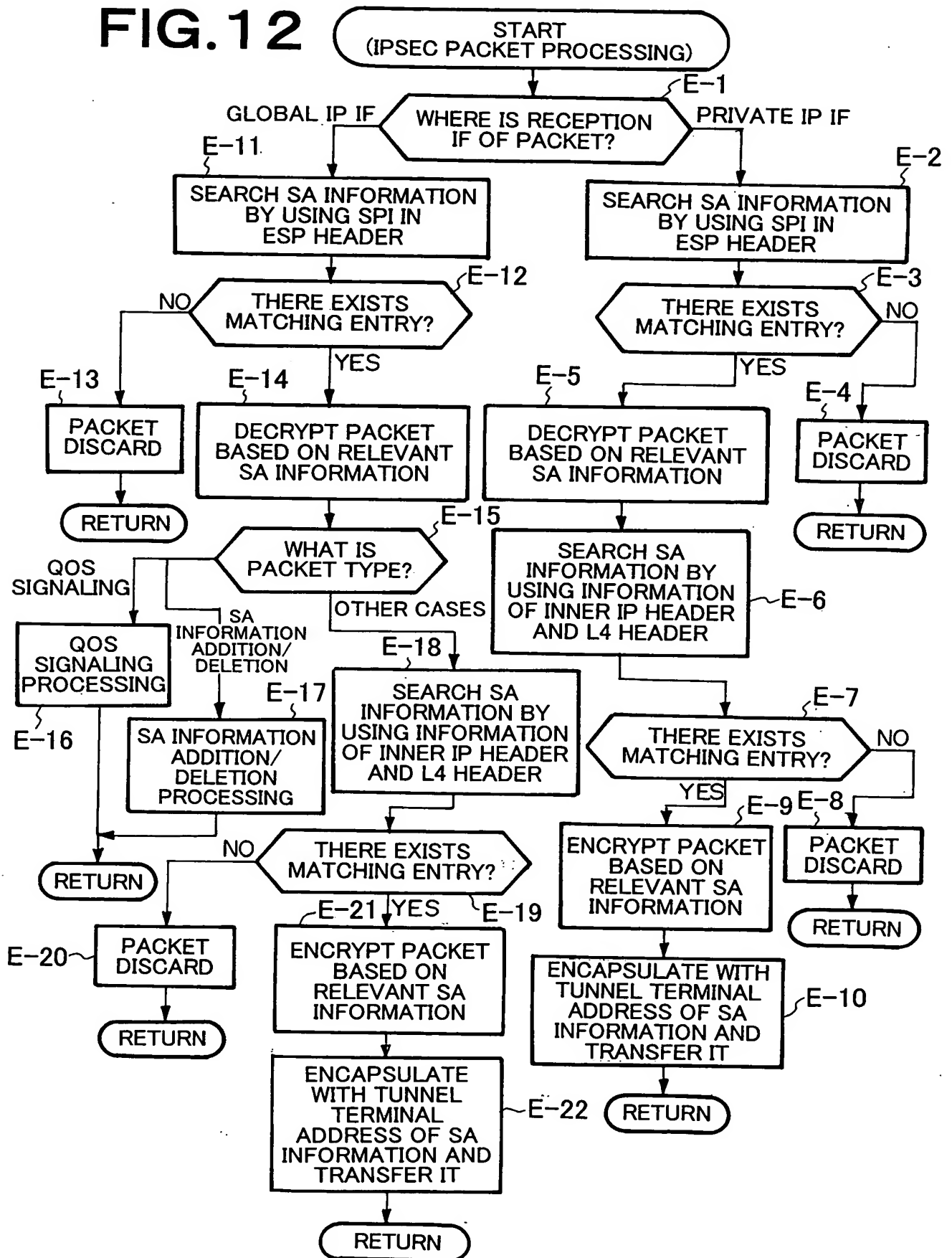


FIG.13

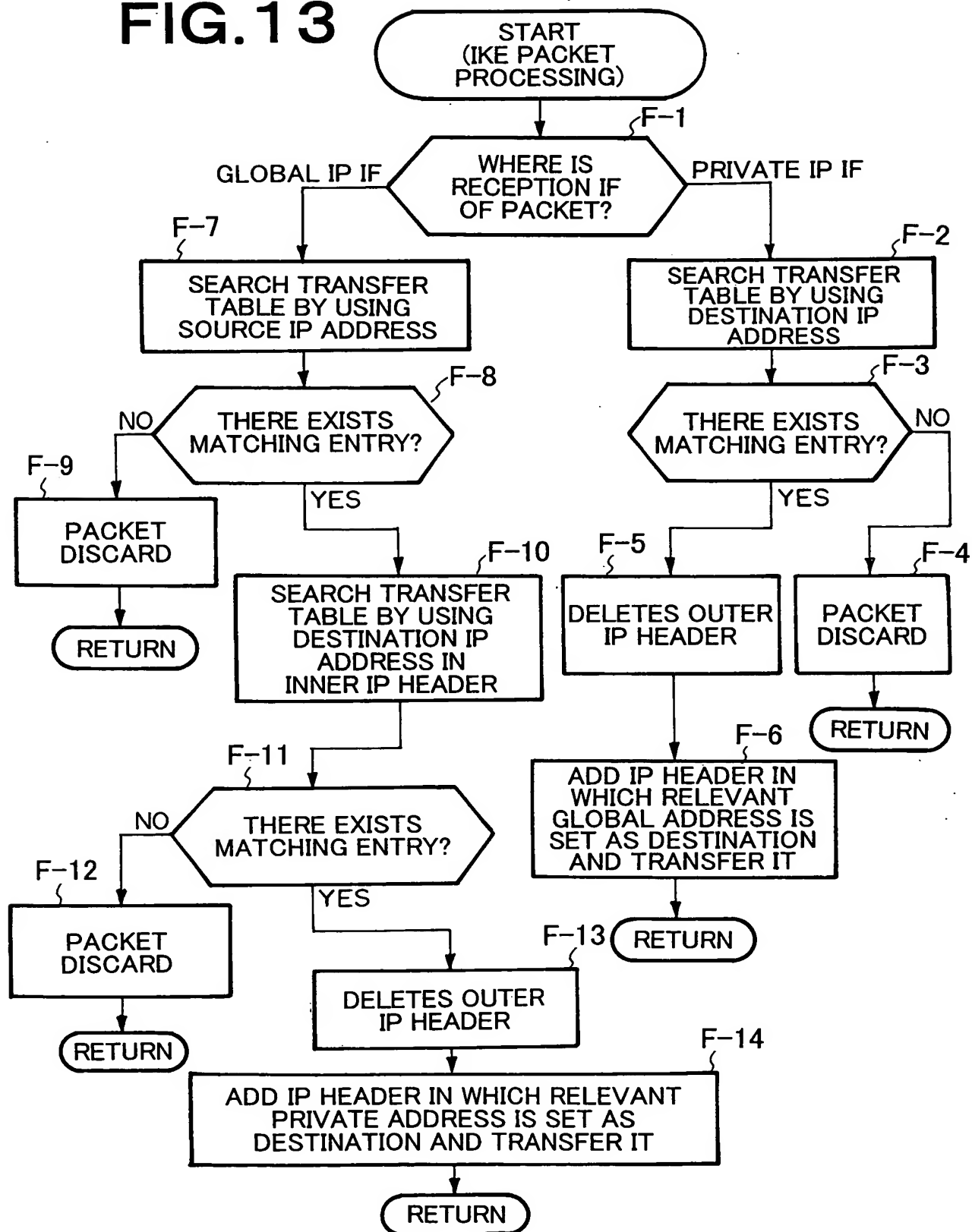


FIG. 14

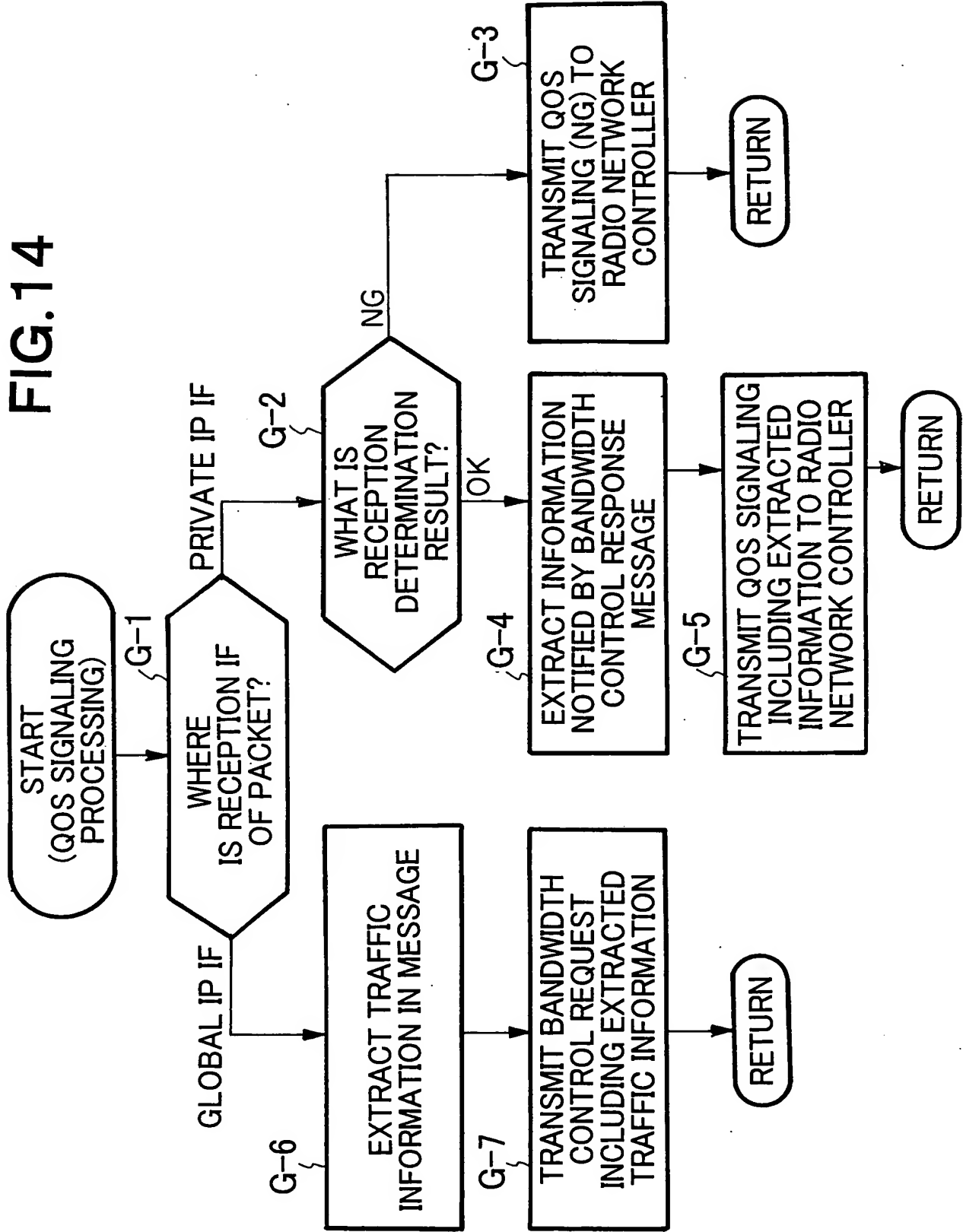


FIG.15

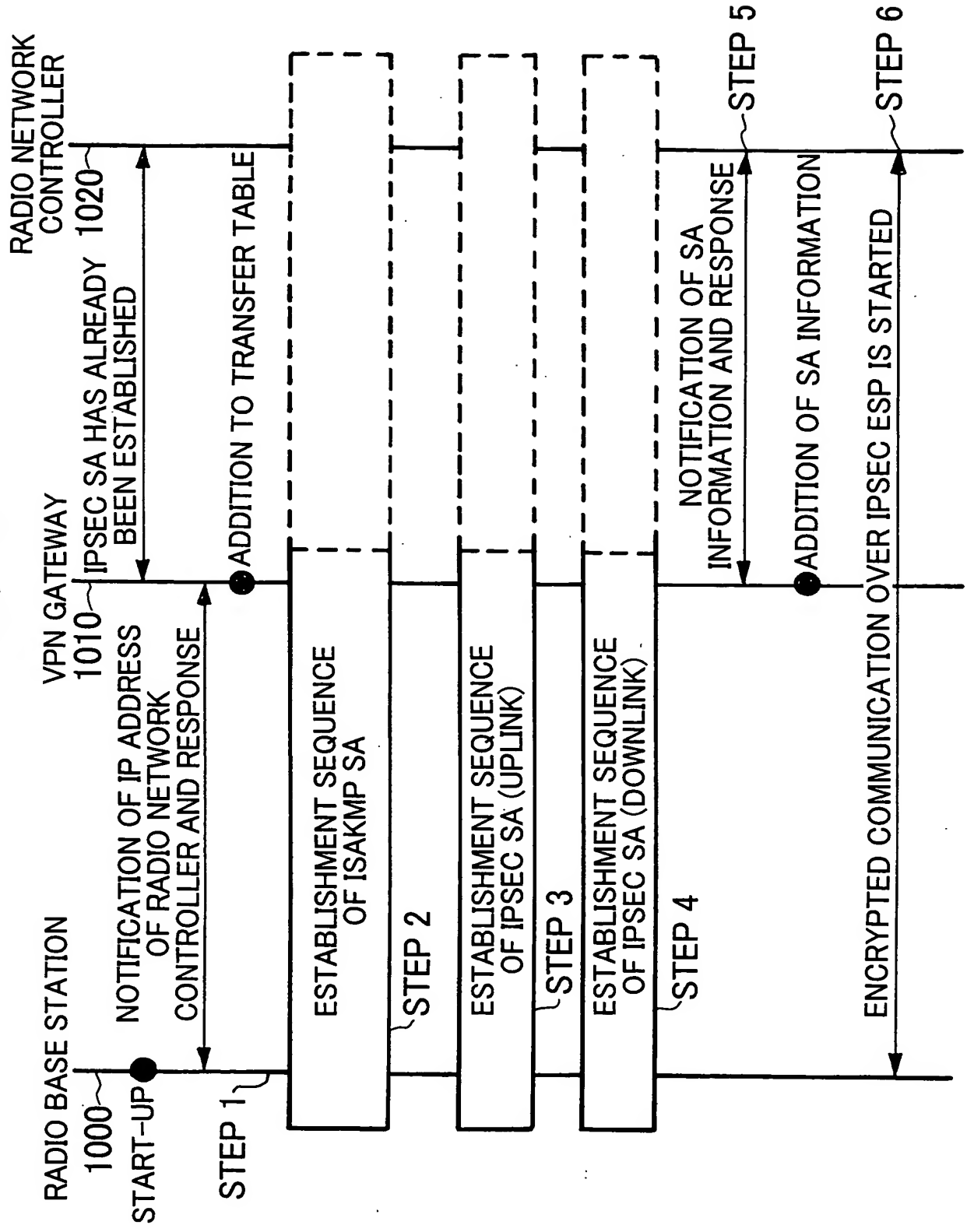
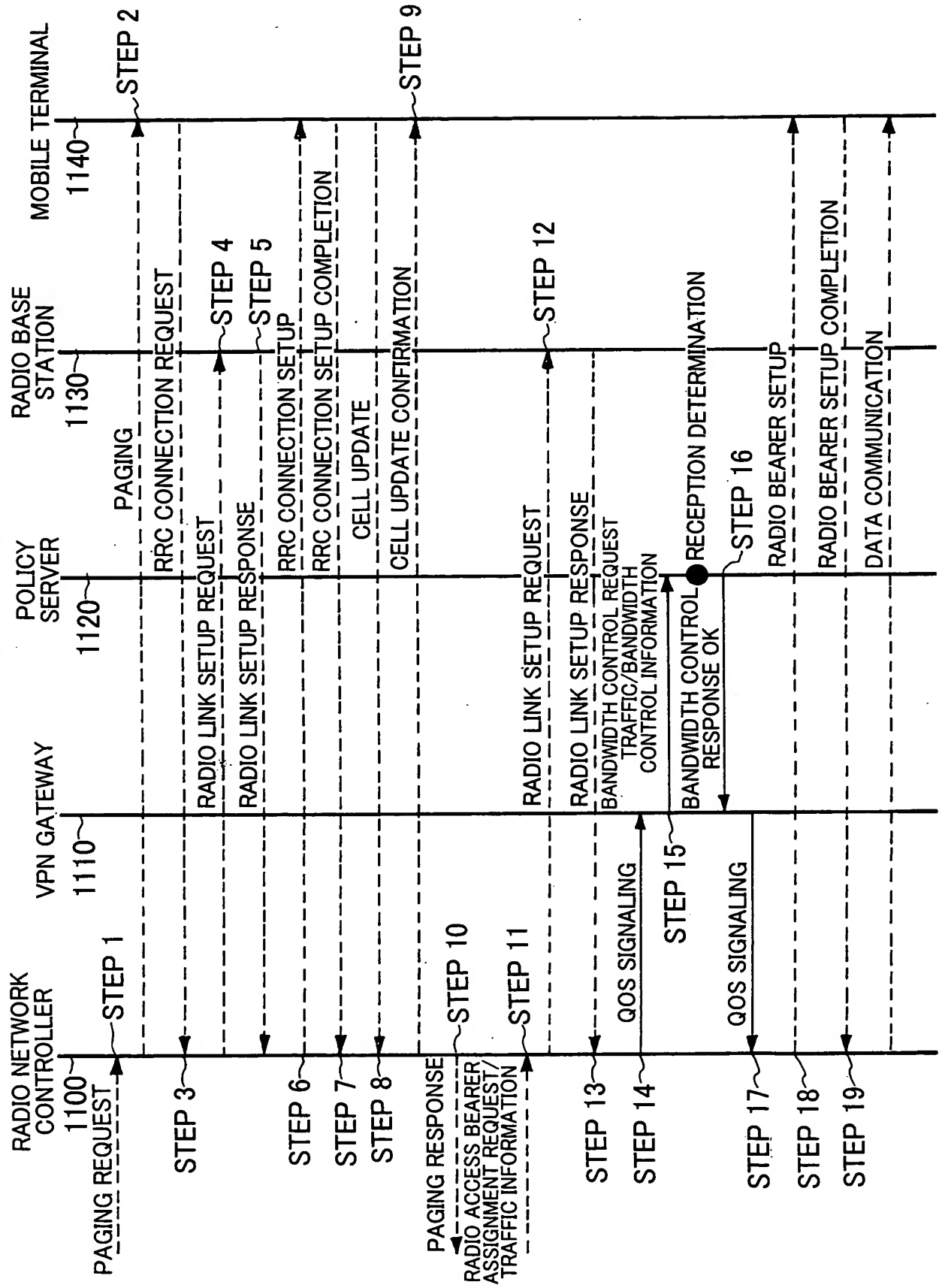


FIG.16




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sequenceDiagram
    participant 1200 as RADIO NETWORK CONTROLLER 1200
    participant 1220 as POLICY SERVER 1220
    participant 1210 as VPN GATEWAY 1210
    participant 1230 as RADIO BASE STATION 1230
    participant 1240 as MOBILE TERMINAL 1240

    Note over 1200,1230: STEP 1
    1200->>1230: RADIO ACCESS BEARER ASSIGNMENT REQUEST/TRAFFIC INFORMATION
    Note over 1200,1230: STEP 2
    1230->>1240: RADIO LINK SETUP REQUEST
    Note over 1200,1230: STEP 3
    1240->>1230: RADIO LINK SETUP RESPONSE
    Note over 1200,1230: STEP 4
    1230->>1200: RRC CONNECTION SETUP
    Note over 1200,1230: STEP 5
    1230->>1200: RRC CONNECTION SETUP COMPLETION
    Note over 1200,1230: STEP 6
    1200->>1220: ACTIVATE PDP CONTEXT REQUEST
    Note over 1200,1230: STEP 7
    1220->>1210: RADIO LINK SETUP REQUEST
    Note over 1200,1230: STEP 8
    1210->>1230: RADIO LINK SETUP RESPONSE
    Note over 1200,1230: STEP 9
    1230->>1210: BANDWIDTH CONTROL REQUEST TRAFFIC/BANDWIDTH CONTROL INFORMATION
    Note over 1200,1230: STEP 10
    1210->>1230: BANDWIDTH CONTROL RESPONSE OK
    Note over 1200,1230: STEP 11
    1230->>1200: RECEPTION DETERMINATION
    Note over 1200,1230: STEP 12
    1200->>1210: RADIO BEARER SETUP
    Note over 1200,1230: STEP 13
    1210->>1230: RADIO BEARER SETUP COMPLETION
    Note over 1200,1230: STEP 14
    1230->>1200: RADIO ACCESS BEARER ASSIGNMENT RESPONSE
    Note over 1200,1230: STEP 15
    1200->>1220: ACTIVATE PDP CONTEXT REQUEST
    Note over 1200,1230: STEP 16
    1220->>1210: DATA COMMUNICATION
    Note over 1200,1230: STEP 17
    1210->>1230: DATA COMMUNICATION
  
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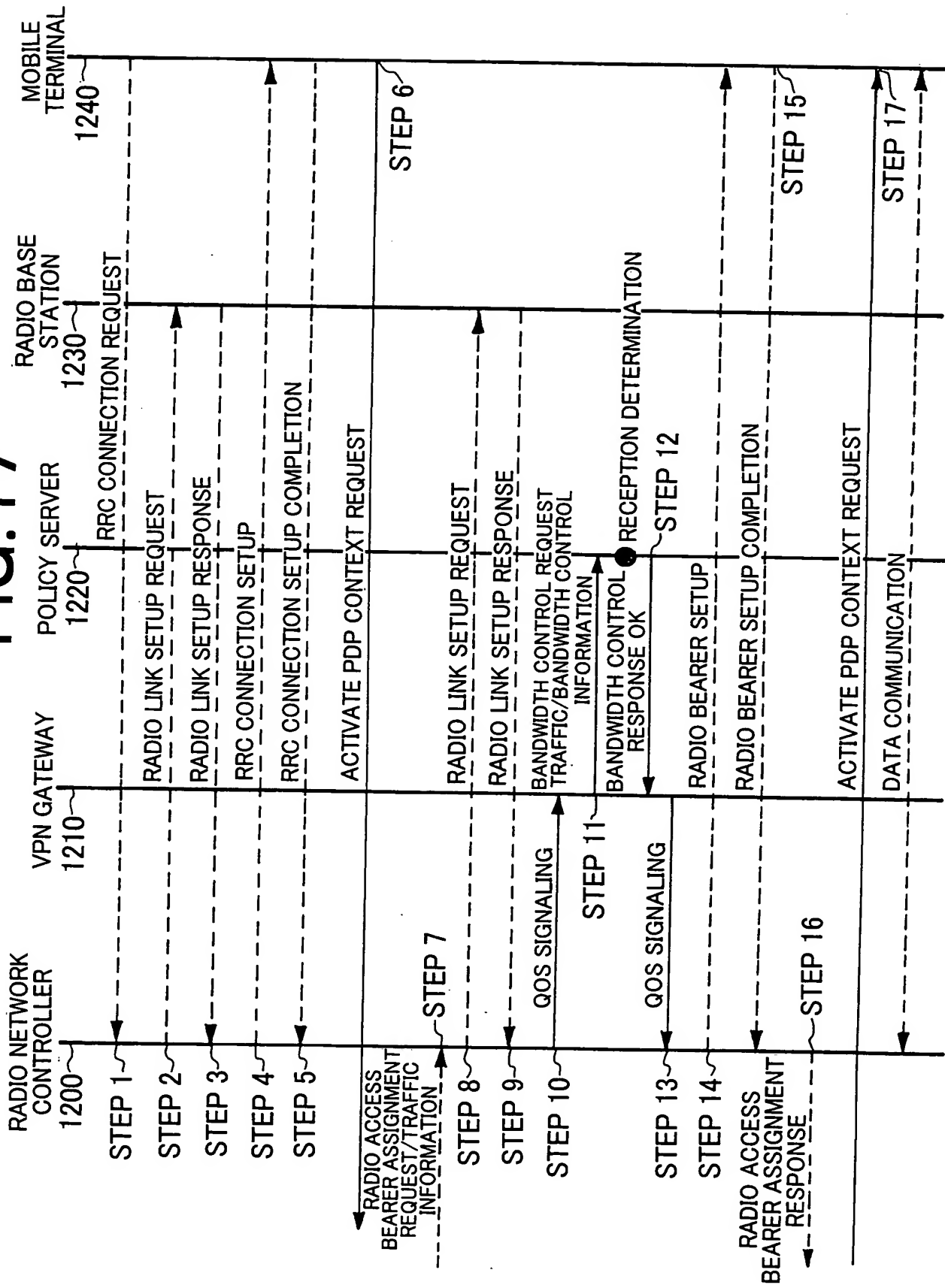


FIG. 18

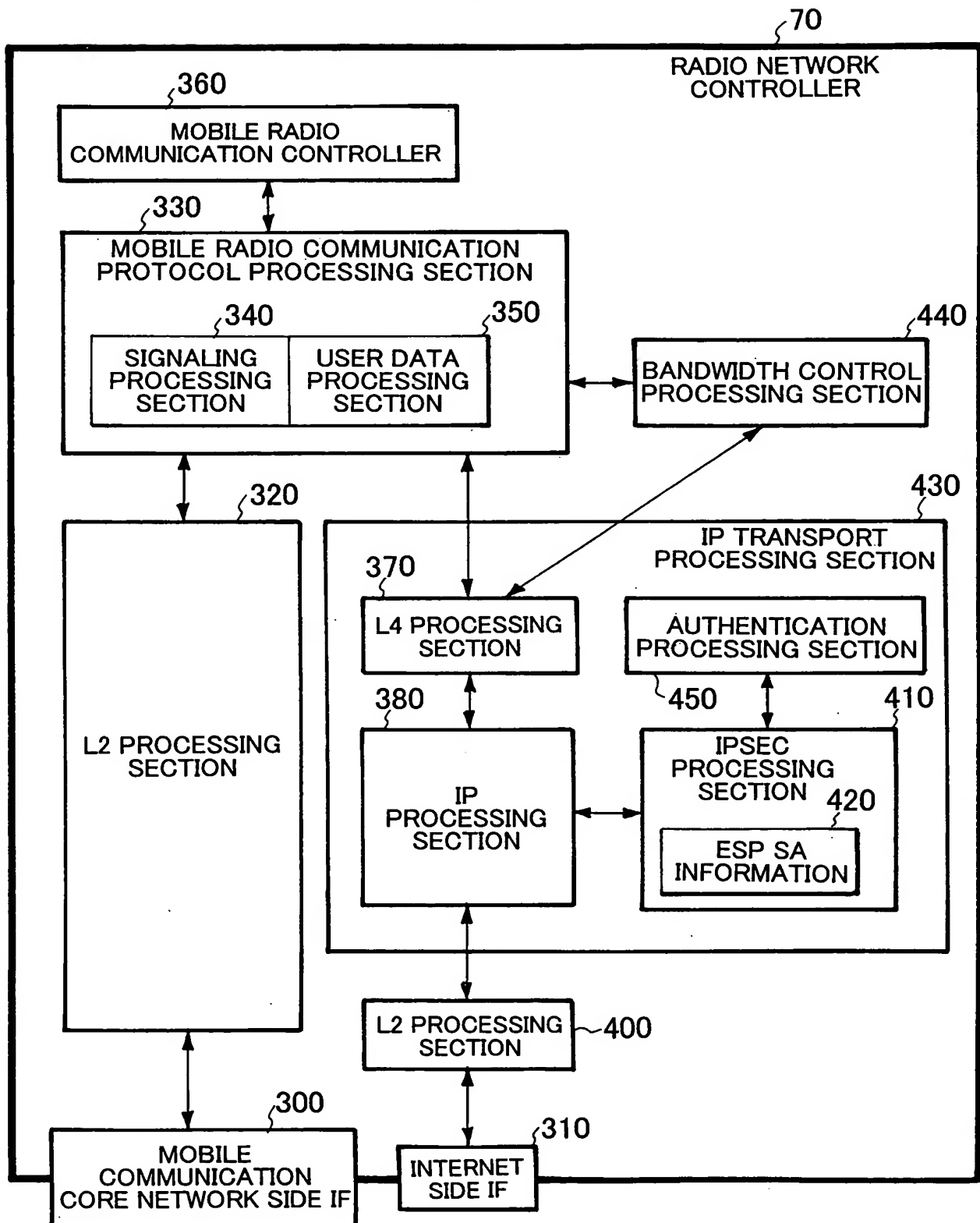


FIG.19

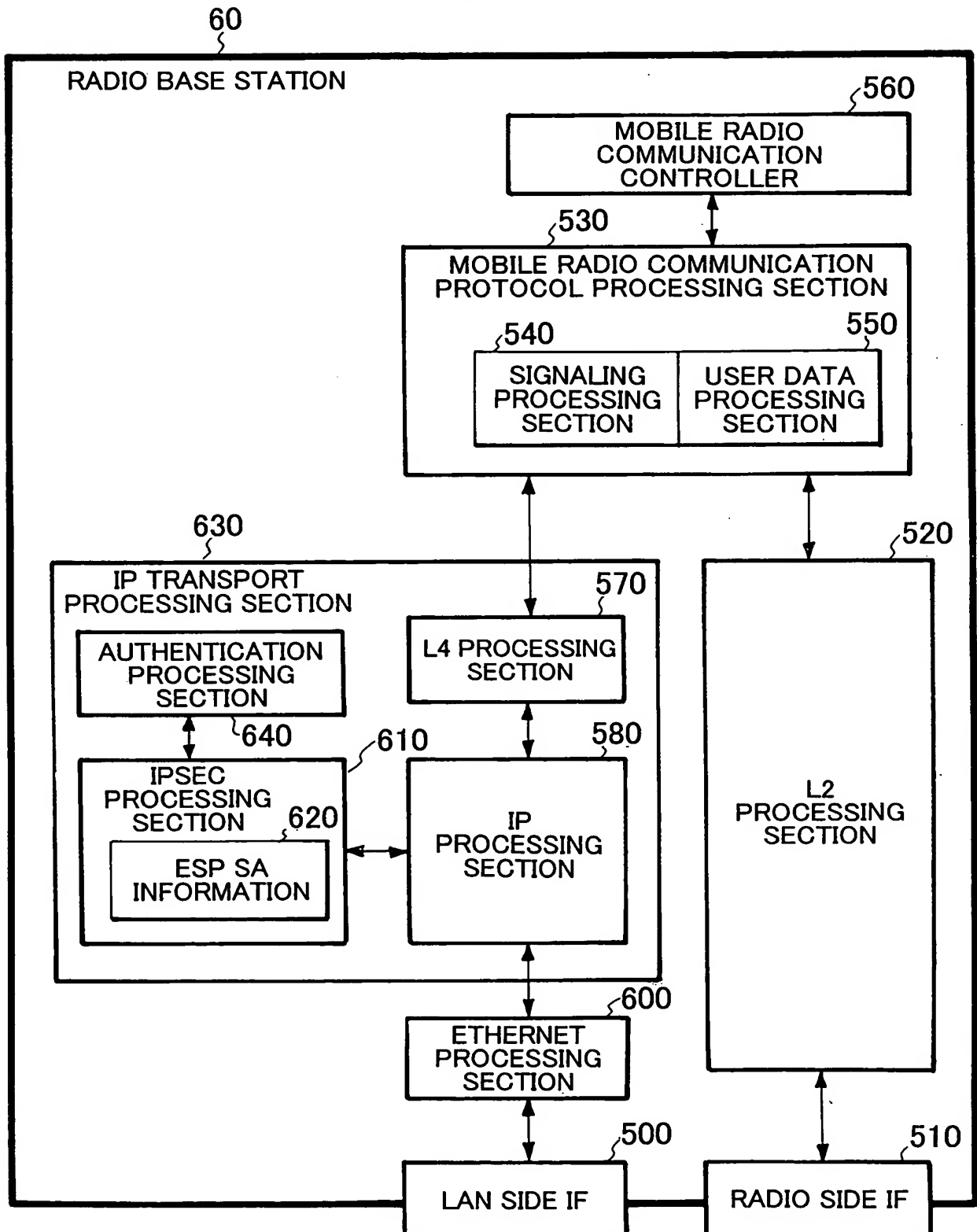


FIG. 20

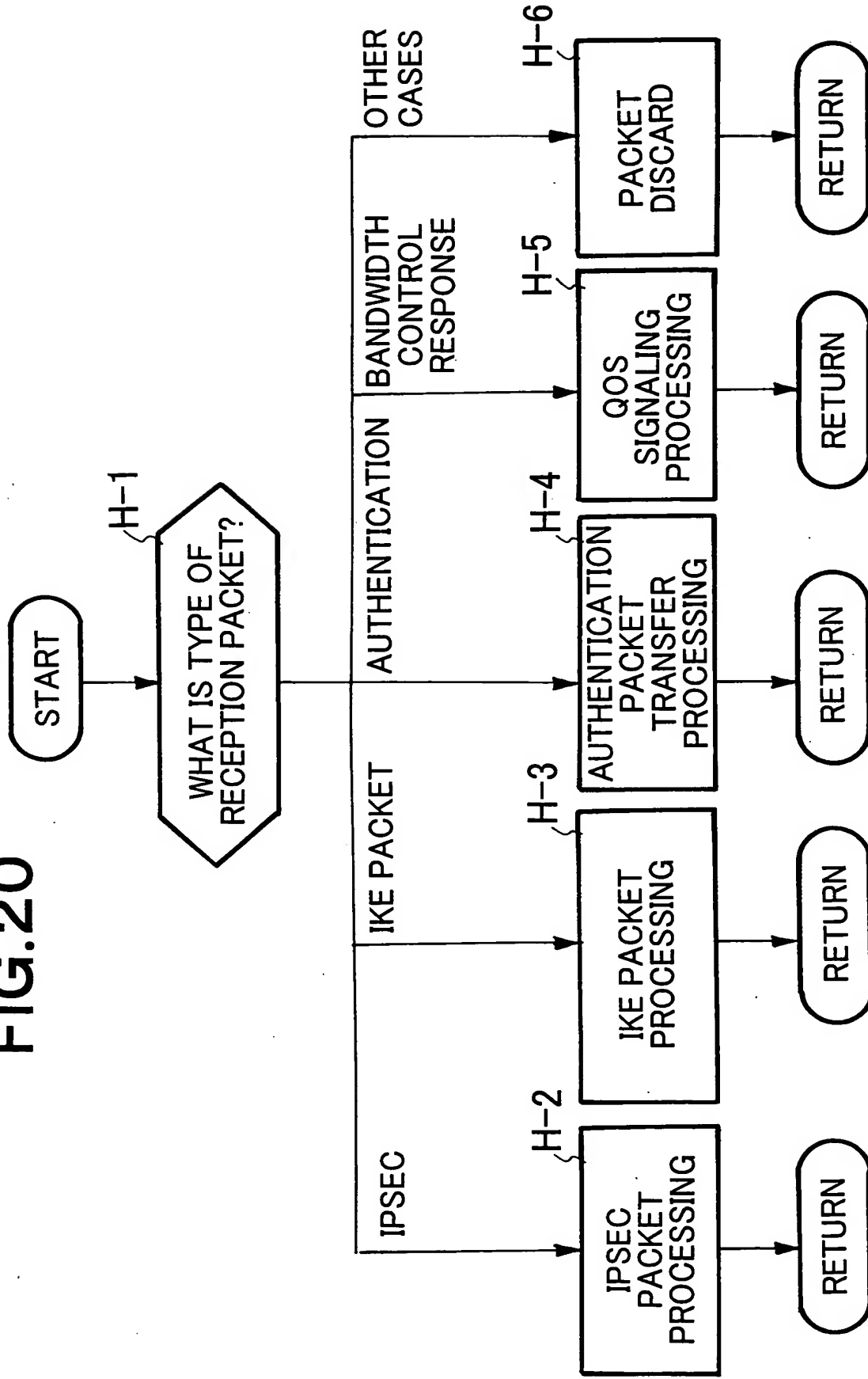


FIG.21

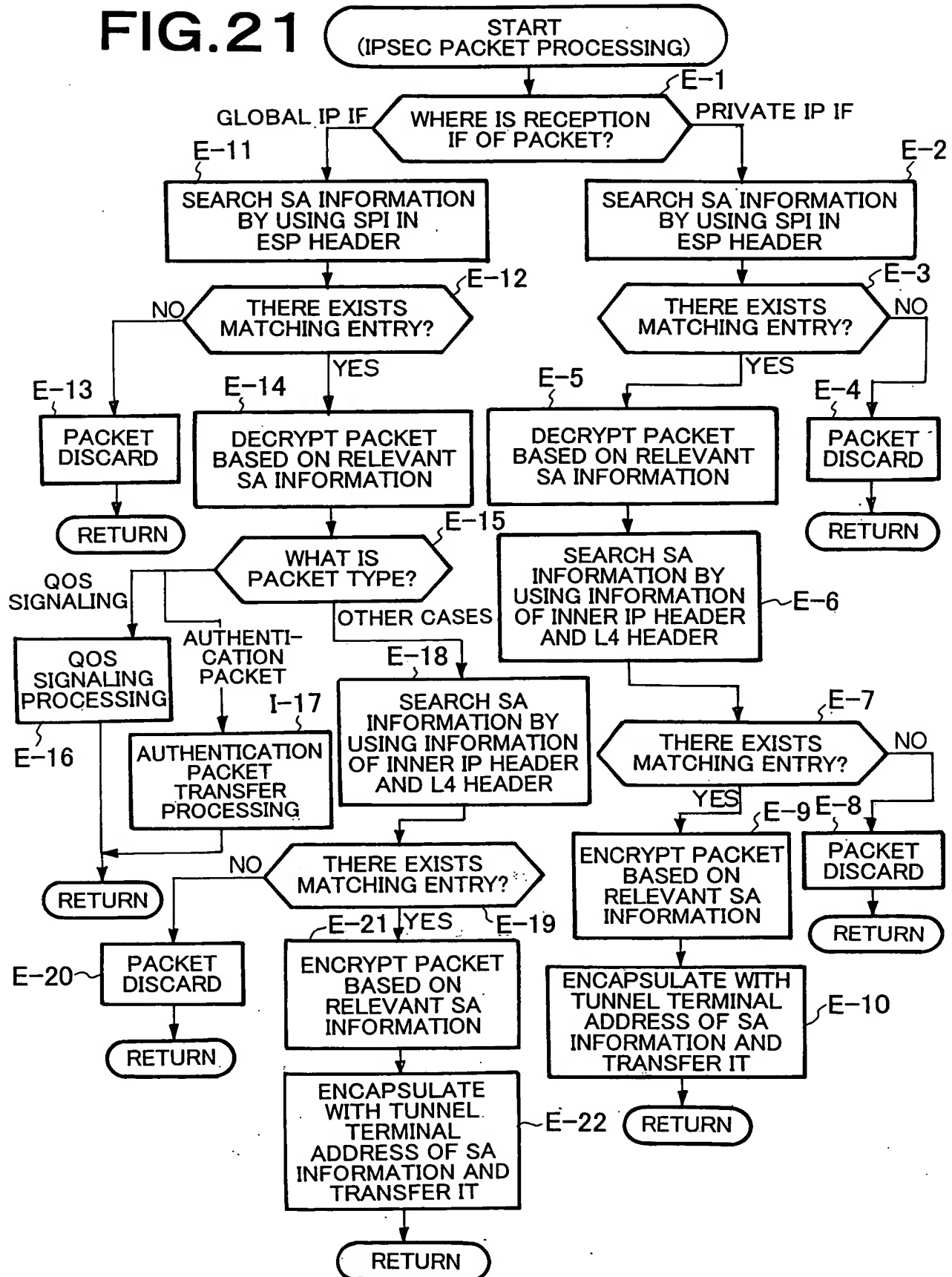


FIG.22

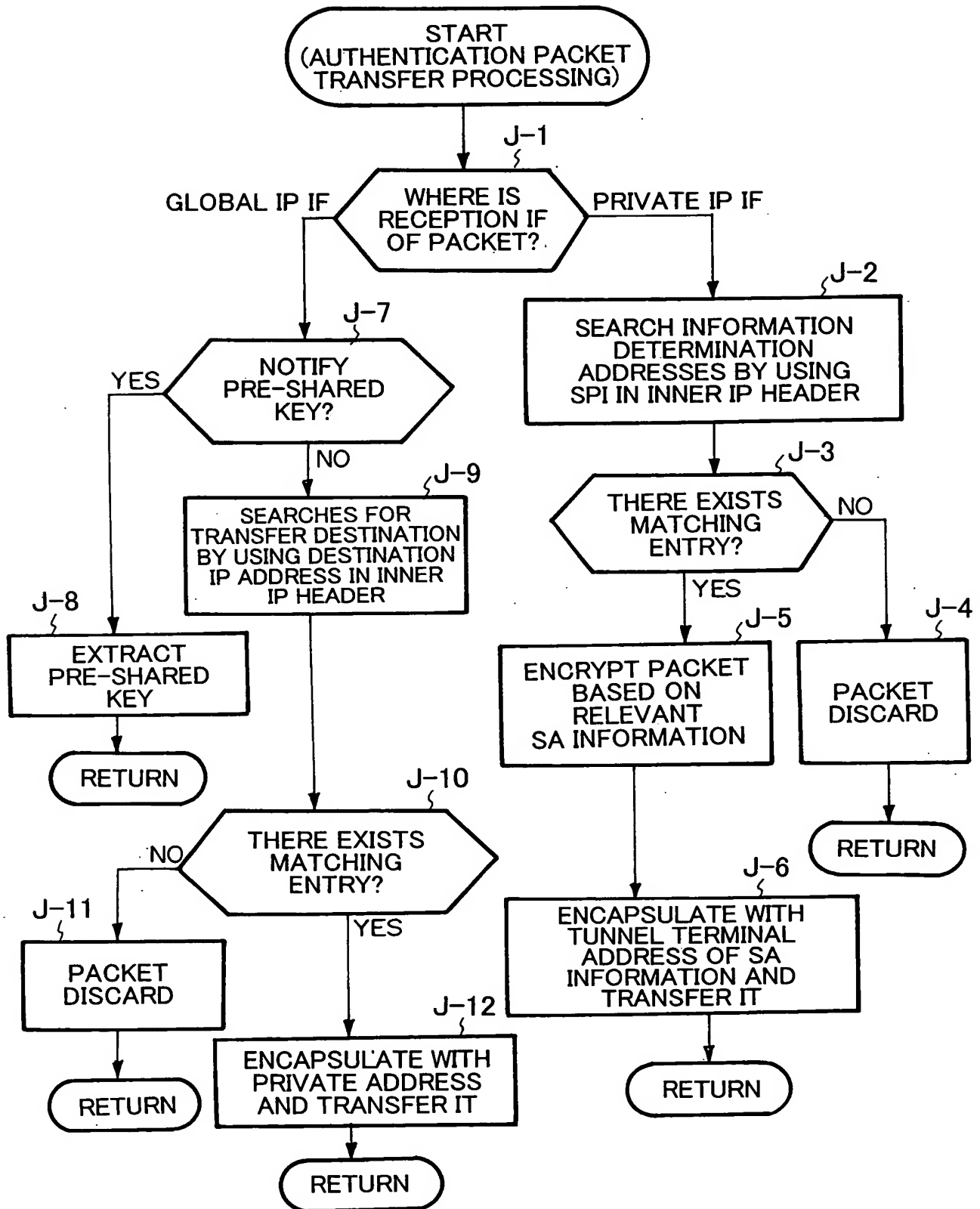


FIG. 23

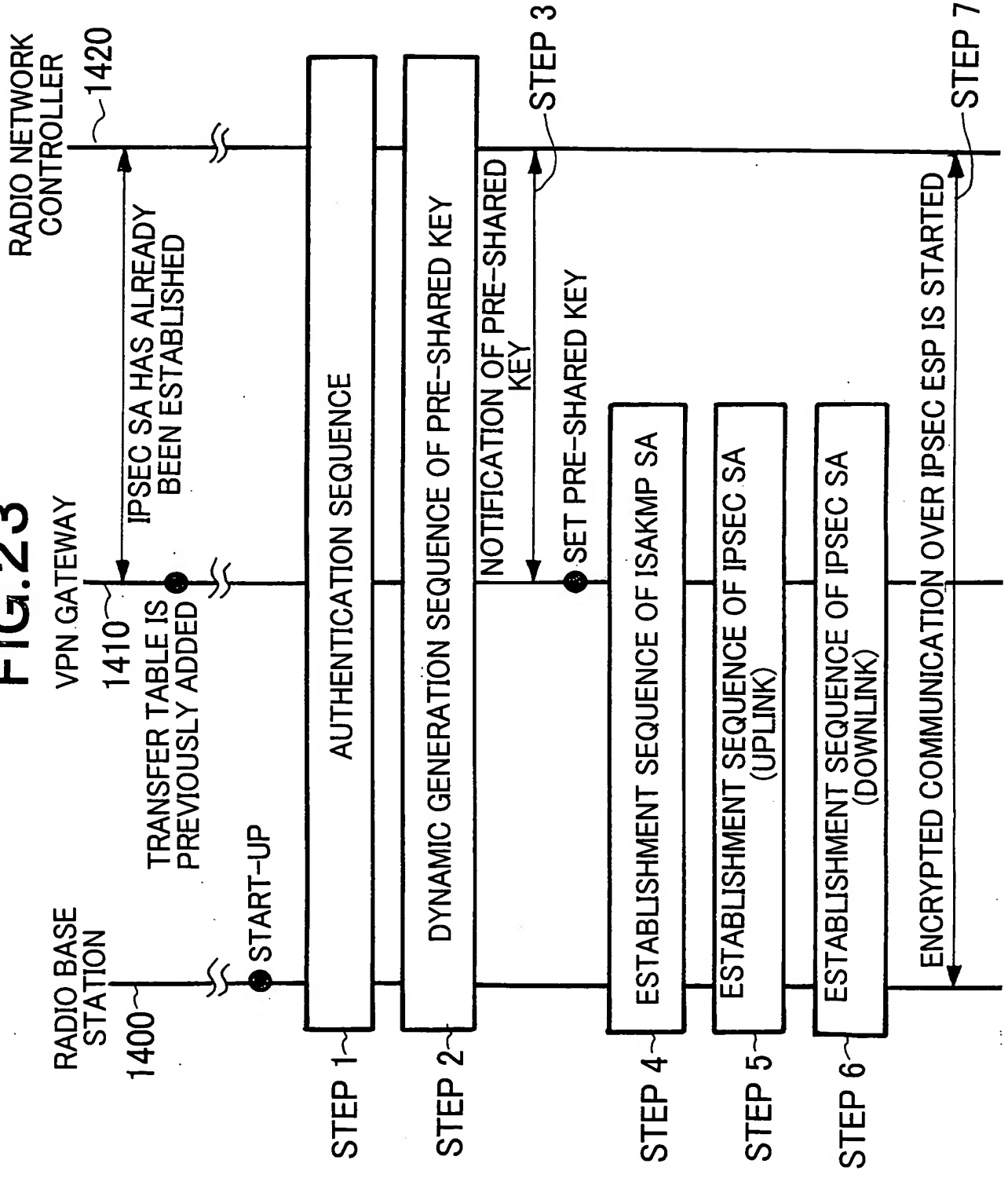


FIG. 24

